

United States Department of Agriculture  
Animal and Plant Health Inspection Service  
Plant Protection & Quarantine  
4700 River Road  
Riverdale, MD 20737

**Permit to Move Live Plant Pests, Noxious Weeds, and Soil**  
Importation  
**Regulated by 7 CFR 360**

**This permit was generated electronically via the ePermits system**

<b>PERMITTEE NAME:</b>	Mr. Javier Campbell	<b>PERMIT NUMBER:</b>	P526P-19-05277
<b>ORGANIZATION:</b>	Dovetail Genomics	<b>APPLICATION NUMBER:</b>	P526-191003-053
<b>ADDRESS:</b>	100 Enterprise Way, Suite A101 Scotts Valley, CA 95066	<b>FACILITY NUMBER:</b>	4975
<b>MAILING ADDRESS:</b>	100 Enterprise Way, Suite A101 Scotts Valley, CA 95066	<b>HAND CARRY:</b>	No
<b>PHONE:</b>	8317134465	<b>DATE ISSUED:</b>	12/17/2019
<b>FAX:</b>		<b>EXPIRES:</b>	<b>12/17/2022</b>
<b>DESTINATION:</b>	100 Enterprise Way, Suite A101, Scotts Valley, CA 95066		
<b>DESIGNATED PORTS:</b>	CA, Sacramento; CA, San Diego; CA, South San Francisco		

Under the conditions specified, this permit authorizes the following:

<u>Regulated Article</u>	<u>Life Stage(s)</u>	<u>Intended Use</u>	<u>Shipment Origins</u>	<u>Originally Collected</u>	<u>Culture Designation</u>
Ipomoea aquatica	Plant Parts, Whole Plants	Research - Lab	Taiwan, Asia	Originally Collected from Foreign Locations	

**SPECIAL INSTRUCTIONS TO INSPECTORS**

See permit conditions below

This permit authorizes Mr. Javier Campbell with Dovetail Genomics in Scotts Valley, California (location of Organization), to hand-carry or move the organisms via passenger baggage into the United States in accordance with the hand-carry conditions below.

**DHS CBP INSPECTORS - HAND CARRY INSTRUCTIONS**

1. For all hand carry events, the port of entry must have received hand carry requests at least 20 days in advance of the arrival of passenger(s), including the date and time of arrival and method of transport (maritime, land border, air) directly from CBP-OFO-APTL, originally provided by USDA-APHIS. The port of entry for hand carry does not need to appear as a designated port on the permit; this official notice containing the information listed above authorizes the port listed on the notice as a destination port for this hand carry event.

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**Wenbin Li**

DATE

**12/17/2019**

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2. For all hand carry events, a valid PPQ permit number or the PPQ permit must be provided in order to identify the designated hand carrier.
3. If the two conditions above are met and the CBP Agriculture Specialist confirms that all hand carried materials/organisms are securely packaged as per the permit conditions, the permitted regulated material/organisms may be released for immediate transport by the designated hand carrier to the destination address listed on the permit.
4. If the permitted regulated materials/organisms arrive by hand carrying, in personal luggage, or by personal automobile without a hand carry authorization as specified in the permit, CBP may seize and destroy the package or send it to the nearest PPQ Plant Inspection Station for further processing. The permit holder is responsible for all costs incidental to such actions. If forwarding the shipment is not possible, contact the Pest Permit Staff at the number below.

#### DHS CBP INSPECTORS - SHIPMENT BY BONDED CARRIER

1. Confirm that the carrier of the shipment imported under this USDA PPQ 526 permit is commercially bonded.
2. Confirm that the imported shipment has a valid USDA PPQ Form 599 Red/White label attached to the exterior for routing to a USDA APHIS PPQ Inspection Station or other "Designated Port" as stated on the Permit. A valid label will have the permit number, expiration date, label number, and address of a USDA APHIS PPQ Plant Inspection Station/Designated Port. PLEASE NOTE: In the event of a shipment of bulk container with discrete units, a single PPQ Form 599 Red/White label may be used.
3. Validate the permit in ePermits using the CBP search feature.
4. If a valid PPQ Form 599 Red/White label is not attached to the exterior of the package or the label has been covered or is otherwise not legible, then forward to the nearest USDA APHIS PPQ Plant Inspection Station.
5. If the address on the airway bill does not match the address on the PPQ Form 599 Red/White label then forward the package to the nearest USDA APHIS PPQ Plant Inspection Station/designated port shown on the PPQ Form 599 label. All costs associated with rerouting misaddressed packages will be assumed by the permit holder.

#### APHIS PPQ INSPECTORS at PIS - Low Risk

1. Follow the instructions in the Plant Inspection Station Manual for Low Risk Organisms – Arthropods or Microbials Red and White Labeled Packages (may be opened outside a biosafety cabinet; see procedures for handling on page 3-7-42).
2. For questions or concerns, contact USDA APHIS PPQ in Riverdale, MD, at 301-851-2046, toll free 866-524-5421.

### PERMIT GUIDANCE

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1. Receipt or use of foreign samples from countries under sanctions requires specific permission from the U.S. Department of Treasury; please refer to <https://www.treasury.gov/resource-center/sanctions/Programs/Pages/Programs.aspx>
2. The permit does not authorize movement or release into the environment of genetically engineered organisms produced with the regulated organisms described in this permit. Importation, interstate, movement, and environmental release of genetically engineered plant pests require a different permit issued under regulations at 7 CFR part 340. Any unauthorized interstate movement or environmental release, including accidental release, of a regulated GE organism would be a violation of those regulations. Additional guidance and contact information for APHIS Biotechnology Regulatory Services, can be found at: <https://www.aphis.usda.gov/aphis/ourfocus/biotechnology>.
3. If an animal pathogen is identified in your shipment, to ensure appropriate safeguarding, please refer to [http://www.aphis.usda.gov/import\\_export/animals/animal\\_import/animal\\_imports\\_an\\_products.shtml](http://www.aphis.usda.gov/import_export/animals/animal_import/animal_imports_an_products.shtml)
4. If a human pathogen is identified, please refer to the CDC Etiologic Agent Import Permit Program at <http://www.cdc.gov/od/eaipp/>
5. This permit does not fulfill the requirements of other federal or state regulatory authorities. Please contact the appropriate agencies, such as the U.S. Environmental Protection Agency, the U.S. Fish and Wildlife Service, the U.S. Food and Drug Administration, the Centers for Disease Control and Prevention, the APHIS Veterinary Services unit, the APHIS Biotechnology Regulatory Services, or your State's Department of Agriculture to ensure proper permitting.
6. If you are considering renewal of this permit, an application should be submitted at least 90 days prior to the expiration date of this permit to ensure continued coverage. Permits requiring containment facilities may take a longer period of time to process.

### PERMIT CONDITIONS

USDA-APHIS issues this permit to Mr. Javier Campbell with Dovetail Genomics in Scotts Valley, California. This permit authorizes the importation of *Ipomoea aquatica* from Taiwan for genome sequencing in the APHIS-approved Containment Facility (CF# 4975).

1. This permit is issued by the United States Department of Agriculture's Animal and Plant Health Inspection Service (APHIS). It conveys APHIS regulations and requirements for the regulated materials listed on this permit. It does not reduce or eliminate your legal duty and responsibility to comply with all other applicable Federal and State regulatory requirements.
  - The permit number or a copy of the permit must accompany the shipment.
  - You must be an individual at least 18 years old, or legal entity such as partnership, corporation, association, or joint venture.
  - You are legally responsible for complying with all permit requirements and permit conditions.
  - The regulated materials and shipping container(s) are subject to inspection by officials of Custom and Border Protection (CBP) and APHIS. CBP or APHIS officials may require the shipment to be treated, seized, re-exported, or destroyed (in part or whole). You will be

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responsible for expenses.

- If you violate any applicable laws associated with this permit, you may face substantial civil or criminal penalties. We may cancel all current permits and deny future permit applications.
- Without prior notice and during reasonable hours, authorized Federal and State Regulators must be allowed to inspect the conditions associated with the regulated materials authorized under this permit.

2. The permit holder must:

- maintain a valid PPQ526 permit so long as the regulated materials are in your possession,
- not assign or transfer this permit to other persons without APHIS PPQ authorization,
- maintain an official permanent work assignment, residence, or affiliation at the address on this permit,
- notify the Pest Permit Staff as soon as possible of any change in the permit holder's work assignment, residence, or affiliation,
- notify the Pest Permit Staff of the receipt of unauthorized and/or misdirected shipments of regulated materials,
- adequately mitigate environmental impacts resulting from unauthorized release of regulated materials and notify the Pest Permit staff immediately if one occurs,
- notify the Pest Permit Staff if the facility is damaged/destroyed or if you wish to decommission the facility,
- destroy all regulated materials prior to departure from the organization unless other arrangements are confirmed by the Pest Permit Staff.

Notifications to the Pest Permit Staff must be made via 866-524-5421 or [pest.permits@aphis.usda.gov](mailto:pest.permits@aphis.usda.gov) within one business day of the event triggering a notification.

3. Standard Operating Procedures (SOPs) must be filed with, and approved by, the APHIS PPQ Pest Permit Staff at: email: [pest.permits@usda.gov](mailto:pest.permits@usda.gov); phone: 866-524-5421; fax: 301-734-8700; address: 4700 River Road, Unit 133, Riverdale, MD 20737. All contact information must be kept current and the SOPs must be dated. If requirements in the permit conditions are more restrictive than the SOPs, permit conditions take precedence. APHIS PPQ must approve any changes to the SOPs before implementation.

A list of all persons with access to the containment facility must be maintained and available upon request by Federal or State Regulatory Officials.

All persons working with the regulated materials must be trained on, and implement the permit conditions, and all APHIS approved SOPs governing the facility listed above.

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4. All persons working with the listed regulated materials must be informed of these permit conditions. Anyone working with these regulated materials must agree to adhere to and sign/initial these conditions before beginning work. These signed conditions do not need to be submitted to USDA/APHIS but must be readily accessible and made available to Federal and State regulators upon request.

Note: These conditions may be copied and stored electronically for electronic signature and initialing provided that the permit number, authorized regulated materials, and authorization statement all appear on the document with the permit number. Signing these conditions only indicates that the person working under this permit has read them; the permit holder is the sole responsible party under this permit.

5. After receiving this permit, you will need to request Red/White labels (PPQ Form 599) at least 5 business days in advance of your shipping date. If you applied for your permit online using ePermits, you may request the labels using the My Shipments/Labels feature. Otherwise, send your request to: [Redandwhitelabelrequest@usda.gov](mailto:Redandwhitelabelrequest@usda.gov). All email requests must come from the permit holder or designee. If requested by the designee, the permit holder must be copied on all requests. Specify the approved port as listed on the permit and the total number of labels needed. You may request additional labels the same way.

Packages without labels on the exterior may be refused entry.

Review label instructions at: <https://www.aphis.usda.gov/planthealth/shipping-red-white-labels>.

You are responsible for instructing your shipper to carefully follow these instructions.

You are responsible for each import shipping label issued under this permit.

6. The State of California requests the inclusion of the following conditions:
  - A copy of the permit and all applicable conditions must accompany each shipment of approved organisms (California Food and Agricultural Code, Section 6305).
  - Permittee shall notify the office of the Santa Cruz County Agricultural Commissioner upon arrival of shipments: [Juan.Hidalgo@santacruzcounty.us](mailto:Juan.Hidalgo@santacruzcounty.us) (California Food and Agricultural Code, Section 6401).
7. This permit holder is authorized to HAND-CARRYING (baggage, personal belongings, auto, etc.) the regulated materials. EACH HAND-CARRYING EVENT MUST BE PREAUTHORIZED BY USDA-APHIS BY PROVIDING THE INFORMATION REQUIRED BELOW. The following conditions apply to all hand- carry authorizations:

1) ONLY PERSON(S) WHOSE NAME(S) IS/ARE LISTED IN THE ISSUED PERMIT IS/ARE AUTHORIZED TO HAND-CARRY.

2) At least TWENTY (20) days prior to each hand carry incident, the permit holder or designee

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must notify the PPQ Permit Compliance Officer by email ([redandwhitelabelrequest@usda.gov](mailto:redandwhitelabelrequest@usda.gov)) to provide specific information on the hand carrier's identity, the anticipated first port of arrival into the United States, the actual date of arrival, the time, and, if travel is by airline, the flight number. The Compliance Officer will notify Customs and Border Protection (CBP) Agriculture Specialist at the port of entry to document and facilitate the entry of the organisms.

3) The hand-carrier must indicate that the regulated materials are being imported under a USDA permit on the Customs Declaration form if such form is required at the port of entry.

4) At the port of entry, individuals carrying regulated materials must also present to CBP officers the following articles: Passport or Visa and a valid hand carrying permission permit (PPQ Form 526). Note that no PPQ-issued Red/White labels are required for hand-carry events.

5) Inspection by CBP Officers must confirm that all hand carried regulated materials are securely packaged as per the permit conditions. In the event that a problem is detected, the CBP officer may seize the package and require its movement to the nearest PPQ Inspection Station for processing, clearance or destruction. The permit holder will be responsible for all costs incidental to such forwarding.

6) After CBP confirmation and clearance through the first port of entry into the United States, hand- carried regulated materials must be transported directly to the containment facility authorized in the permit.

7) Upon arrival at the facility, the PPQ Compliance Officer must be notified within 24 hours that the regulated materials have arrived. Notification may be by fax (301-734-5392) or email ([redandwhitelabelrequest@usda.gov](mailto:redandwhitelabelrequest@usda.gov)). Notification must be by an independent third party (e.g. containment facility director, departmental chair, campus biosafety officer, etc.). The notification must include the permit number, label number, date of arrival, the specific regulated materials that were imported, their origin, and quantity. Failure to notify the PPQ compliance officer may result in loss of hand carry privileges. A PPQ Inspector may also visit the facility to confirm the arrival of the regulated materials.

8) An authorization to hand-carry includes only the regulated materials identified in the permit. Presence of unauthorized materials in any packages on an individual authorized to hand-carry is a permit violation. Presence of unauthorized materials at the receiving containment facility at any time is also evidence of a permit violation.

8. The regulated materials must be visually free of diseases, insects, or other plant pests and/or contaminants.

9. All packages for transport must minimally consist of both inner/primary and outer/ secondary packages securely sealed so that both are effective barriers to escape or unauthorized dissemination of the listed regulated materials. The inner/primary package(s) will contain all regulated materials/organisms and must be cushioned and sealed in such a way that it remains sealed during shock, impact, and pressure changes that may occur. The outer/secondary shipping container must be rigid and strong enough to withstand typical shipping conditions (dropping, stacking, impact from other freight, etc.) without opening.

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Upon receipt, all packages must be opened within the APHIS-approved containment facility associated with the permit, to ensure the shipment contains only permitted organisms and is free of contaminants.

10. Modifications to the containment facility or any changes that affect the containment of the regulated materials must be approved by APHIS prior to making changes. Please contact the Pest Permit Staff (email: pest.permits@usda.gov; phone: 866-524-5421; address: 4700 River Rd., Unit 133, Riverdale, MD 20737; Fax: 301-734-8700).
11. All packets/containers/specimen of Federal Noxious Weeds (FNWs) are to be labeled "the Regulated materials - to be used only in accordance with current USDA Noxious Weed permit" or similar language.
12. This permit does not authorize propagation of the regulated materials.
13. When not working with the regulated materials, you must store and/or maintain them within the APHIS approved containment facility identified above. All stored regulated materials must be kept in a locked area with access limited to authorized personnel.
14. All regulated materials, including un-used and leftover material, and all packaging materials directly in contact with the regulated material must be devitalized/ treated via one or more of the following methods prior to disposal.
15. DEVITALIZATION AND WASTE DISPOSAL  
Devitalization and Waste Disposal Methods:
  - autoclaved (see protocol below),
  - disposed of off-site by a facility holding a valid PPQ compliance agreement (contaminated waste must be stored in sealed containers prior to pick up by this company), or
  - Incineration.

Treated waste will be double bagged prior to disposal.

Other sterilization methods are only allowed with prior written agreement from the USDA/APHIS PPQ Pest Permit Staff.

If using an autoclave the following protocol must be used:

- Waste must be autoclaved at 121 Celsius (250 Fahrenheit) for a minimum of 30 minutes at 15 psi.
- Autoclave tape or other indicators must be placed on each load prior to treatment. The autoclave tape or other indicator on each container must be checked to verify color change before disposal.
- The autoclave must be calibrated according to the manufacturer's instructions annually and a commercially available biological indicator kit that uses bacterial spores of *Geobacillus stearothermophilus* that are rendered unviable at 121 Celsius (250 Fahrenheit) must be used every three months.

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OR: The autoclave must be calibrated according to the manufacturer's instructions every two years and a commercially available biological indicator kit that uses bacterial spores of *Geobacillus stearothermophilus* that are rendered unviable at 121 Celsius (250 Fahrenheit) must be used every two weeks.

- A written record of the calibration and the biological indicator tests must be maintained. You must follow the manufacturer's instructions for the *Geobacillus stearothermophilus* and if any growth is observed, you must have the autoclave serviced and retested before it is used again for the regulated articles/organisms listed on this permit.

16. There is to be no further movement or distribution of the listed regulated materials within the United States and its territories unless the recipient holds, or is named as a responsible party on a valid PPQ526 permit for receipt of such regulated materials.

17. Under the Plant Protection Act, individuals or corporations who fail to comply with these conditions and authorizations, or who forge, counterfeit, or deface permits or shipping labels may receive civil or criminal penalties, and may have all current permits cancelled and future permit applications denied.

### END OF PERMIT CONDITIONS

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